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A. Otto, T. Bornemann, Ü. Ertürk, I. Mrozek and C. Pettenkofer, Model of electronically enhanced Raman scattering from adsorbates on cold-deposited silver 210 (1989) 363

Solid–electrolyte interface

S. Amokrane, V. Russier and J.P. Badiali, A model for the metal–solvent coupling at a charged interface: effect on the differential capacitance 210 (1989) 251

Sulphides

M.A. Karolewski and R.G. Cavell, SIMS characterisation of chemisorbed pyridine, pyrrole and formate on pyrite (100) 210 (1989) 175
J.R. Lince, T.B. Stewart, M.M. Hills, P.D. Fleischauer, J.A. Yarmoff and A. Taleb-Ibrahimi, Chemical effects of Ne^+ bombardment on the $MoS_2(0001)$ surface studied by high-resolution photoelectron spectroscopy 210 (1989) 387

Surface defects

D. Lee, A. Askar and H. Rabitz, Evolution of reactions on surfaces exhibiting defect structures 210 (1989) 449

Surface diffusion

D. Lee, A. Askar and H. Rabitz, Evolution of reactions on surfaces exhibiting defect structures 210 (1989) 449

Surface phonons and adsorbate vibrations

Y. Chen, Z.Q. Wu, S.Y. Tong and J.E. Black, A comparison of Green's function and slab methods of calculating surface vibration spectral densities: p(2 × 2)O on Ni(100) as an example 210 (1989) 271

Surface stress

J. Skov Pedersen, Surface relaxation by the Keating model: a comparison with ab-initio calculations and X-ray diffraction experiments 210 (1989) 238

Surface structure

W. Hetterich and W. Heiland, Low energy ion scattering from the Ir(110) surface: a quest for the (1 × 2) structure 210 (1989) 129

J. Skov Pedersen, Surface relaxation by the Keating model: a comparison with ab-initio calculations and X-ray diffraction experiments 210 (1989) 238

B.I. Craig and P.V. Smith, The periodic MINDO molecular orbital method as a surface analytical technique 210 (1989) 468

D.R. Mullins and S.H. Overbury, The structure of oxygen on W(001) by low energy ion scattering 210 (1989) 481

Thermal desorption

J.M. Campbell and C.T. Campbell, The interactions of cyclopentane with clean and bismuth-covered Pt(111) 210 (1989) 46

G. Lauth, T. Solomun, W. Hirschwald and K. Christmann, The interaction of carbon monoxide with a ruthenium(10$\bar{1}$0) surface 210 (1989) 201

F. Solymosi and L. Bugyi, On the negligible interaction between K and CO on the CaF_2 surface 210 (1989) L193

D. Gupta and C.S. Hirtzel, Thermal desorption of interacting molecules from mixed adlayers 210 (1989) 322

R. Döhl-Oelze, C.C. Brown, S. Stark and E.M. Stuve, Metal/electrolyte surface chemistry: the adsorption of nitric acid and water on Ag(110) 210 (1989) 339

Tin oxide

P.A. Cox and J.P. Kemp, Theoretical treatment of screening in the EELS of metallic oxide systems 210 (1989) 225

Tungsten

H. Schall, W. Huber, H. Hoermann, W. Maus-Friedrichs and V. Kempter, Excitation of Li(2p) in slow collisions of Li^+ ions with cesiated W(110) surfaces 210 (1989) 163

D.M. Riffe and A.J. Sievers, Infrared reflection–adsorption spectroscopy of W(100)–H at 100 K 210 (1989) L215

D.R. Mullins and S.H. Overbury, The structure of oxygen on W(001) by low energy ion scattering 210 (1989) 481
D.R. Mullins and S.H. Overbury, Formation of subsurface carbon induced by oxygen adsorption on carbon-covered W(001) 210 (1989) 501

Tungsten bronze

P.A. Cox and J.P. Kemp, Theoretical treatment of screening in the EELS of metallic oxide systems 210 (1989) 225

Tunneling

U. Landman, W.D. Luedtke and A. Nitzan, Dynamics of tip–substrate interactions in atomic force microscopy 210 (1989) L177

Water

R. Döhl-Oelze, C.C. Brown, S. Stark and E.M. Stuve, Metal/electrolyte surface chemistry: the adsorption of nitric acid and water on Ag(110) 210 (1989) 339

Work function

G. Lauth, T. Solomun, W. Hirschwald and K. Christmann, The interaction of carbon monoxide with a ruthenium($10\bar{1}0$) surface 210 (1989) 201
M. Ehsasi, C. Seidel, H. Ruppender, W. Drachsel, J.H. Block and K. Christmann, Kinetic oscillations in the rate of CO oxidation on Pd(110) 210 (1989) L198
R. Siuda, Empirical formula for work function changes during deposition in the submonolayer range 210 (1989) L209

X-ray diffraction

S. Gokhale, N. Ahmed, S. Mahamuni, V.J. Rao, A.S. Nigavekar and S.K. Kulkarni, XPS and XRD investigations of Dy/Si interface 210 (1989) 85
E. Vlieg, J.F. van der Veen, S.J. Gurman, C. Norris and J.E. Macdonald, X-ray diffraction from rough, relaxed and reconstructed surfaces 210 (1989) 301

X-ray scattering

H. van Brug, G.E. van Dorssen and M.J. van der Wiel, Si L-edge structures in the soft X-ray reflectivity of laser-annealed Si surfaces (with Ni overlayers) 210 (1989) 69

Yttrium

A. Pellissier, R. Baptist and G. Chauvet, Mechanism of the Y/Si interface formation studied by photoemission 210 (1989) 99